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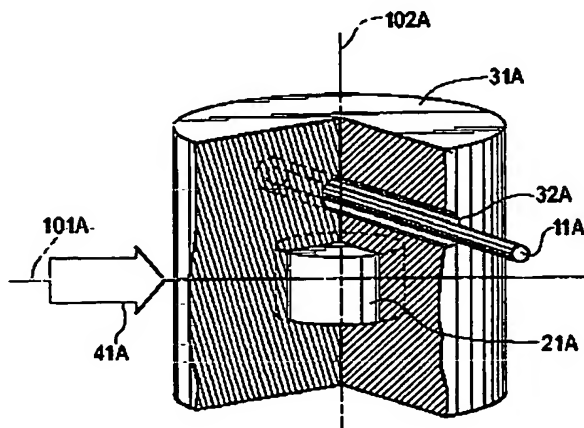
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(54) Title: PRODUCT TO TAILOR DISTRIBUTIONS OF ENERGY DEPOSITION BY A HIGH ENERGY PHOTON BEAM



(57) Abstract: A product tailors energy deposition. In one form, the product includes a magnetic field. The magnetic field is in a pre-set tailoring relationship with a body, a target volume in the body, and an electron-photon cascade in the body produced by a photon beam, where the photon beam and the electron-photon cascade are substantially parallel to a beam path. In one form, the magnetic field has a component non-parallel to the beam path in the target volume, which is at least one hundred gauss. The target volume having a target density and the body having a body density proximal the target volume. In one form, the tailoring relationship causes a desired distribution of energy deposited in the body and the target volume.

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